no 16 On Intermittent Fivers. Chambeilain paper April 1. 1817



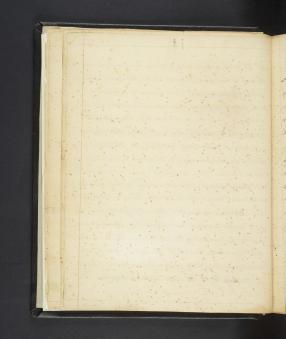
Prefatory Remarks

Som the multistive of subject presenting themelogs to me new of have found no small deflectly in selecting, on for the present epag, populary mere claims to netice than archive; for he the subject what is may better noquals million can a student drings fith, unly the hair to exacionate.

I tour, that grand outer to human life, has from the cartiest amon of medical deserve ingaged the ultimien of main, type let me ark in white any is emaint? This quitous when has no leng him retention from compart of the writing has more yet hem ratinfacting numerical the writing have now to consider in an insertine, present yet to puter, with an insertine of temperature, present he a throung one assemble much by an interruption and proceed from the medical fraction of temperature fractions of which is the animal function of the in the minute function of the interpretation as the statement of given the many to a great income of the medical function of fine the many to a great income.

X The bandedate acknowledged this Vintement

of the putie, as immedentely after running jumping and the like without faver; it is not always preceded by with sering; the temperature is not invariably moreared no is the straigth uniformy diminished. Imperfect as is this definition of fever it is the test we have and a fact him is preferable to no theory at all . Of fiver there are seve ral kinds as Intermittent, Romellent de. The first of them Lying a very common disease in The rection of country in which I rindo I have thought in a proper subject for The present purpose. It is not a disease in duly attended with much danger but is too often leads to thow that are. Dropry, a direase often fatal, is frequently from ght on by origheties cares of intermittent fire. Scientis Janua died He. are produced by the rame cause. These disease, with many then that might hi mentioned correquised to intermittant fever fiely rout out The necepity of mours by attending to this too much neglected direase.

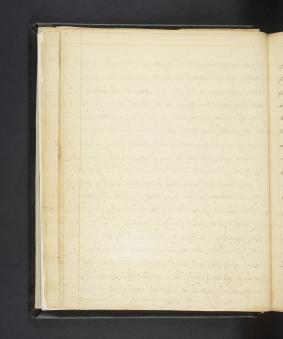


Differtation

A succepion of paroxymy between which there is an outre intermission from all febrilo symptoming courte tuto intermittent fire, but as the length of time inter reines between the parroymy defor, various names have heen applied to it, thug, when is occur, once in twenty four hour is is a unminated a quotidian, once in The space of forty walls hours a tertions, and again when sevents, two hours interview it is called a quarton. Many other formis have been mentioned by different witing as the quintary the restan 12. There might how occured, but I think it more protable that they were inequality of one or other of those whose montioned There are also double tertiang and quartaing: in a don Ale tertian there is commonly an aback anily, This is distinguished from a quotidino by the attacks ling al to wanty milder on our day discoverior on the next it is evident that there are here two forms, the lighter



attacks corresponding to the lighter, and The more some adopting the same order. In double quartary there may be two parocyting on the first day none on the second and third , and two again on the fourth, or one on the first and second days now on the third and one again on the fourth and fifth, this is a rare form, but it some times appears. Tripple tertians and quartary have been noticed of many writer they are however of very rare occurence. The tertian I believe to be much the most frequent from of The arear and it is more easily cured Than either of the other, the quotestion is next in point of frequency: The quarton I have never rear fut as aring out of protoacted carry of one or other of the formy about mentioned. Each paroxyme is divided into three stages the cold the first and the revealing; there are so well described by D. Gullon that I shall take the laborty of quoting his words." The person is affected fort, with a langour and some of delily, a slaggishnep in motion, and some uneasons in exerting is with



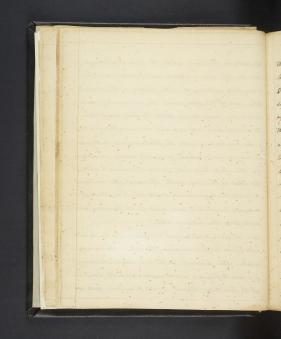
frequest y arring and stretching . alt the same time the face and extremety become pale; The feature think; The helk of very solonal part is diminerated; and The stin over the whole body appears commetteen, no if cold had been applied to it. at the coming on of those symptoms, some coldnepole The extremetry, though little taken notice of by the patient may be perceived by another person, at length the patient himself feels a rensation of cold commonly first in his hand but from Thenes paping over the whole body; and now his olin feels warm to another person. The patients some of cola inorcaring, produces a toomor in his limb, with frequent moreprong or rigors of the tounk of the lody. Whon this some of cola and to effects have continued for some times, they become lep violent and are atternation with warm flinkings. By agrees the cola goes off entirely, and a hear greater than natural presail, posoning, and continues over the whole body. With this hear, the colour of The ohin returns, and a pretornatural rednepappears



agriculty to the face. Which the hear me consequence in the shin is relaxed and investion, further some on the shin is relaxed and investion, further some time continue soy. He feeling of the facy may then parts of the beary recent theorems say, and become for me interest my while the hear result say, and there more the prehence, and by degree a more time appears upon the freshound, and by degree december of the relate of the food, a state, the sover after continuing for some time, grade all ceases, the looky return to the result importating and most of the fanction are

At the commencement of a porcount when he had a cost higher to feel longing the pale is alone and wholes thou natural, as the cold stays a wance, is is made frequent and irregular, upon the accipion of the her stays the public is feel one have, and as

restoned to their ordinary state."



The revealing stage comes on is becomes roft and les progress, while is regain the natural standard. During the cola stage, the respondence is small much difficult, the by a late writer has seen represent to the sympathy excellency between the stormack and brings there is also at the towns a meriphy remained of their think a michigany remained of the repete of the tonget as prosumed by the constitution of the repete of the tongets and farine.

We have case necroses in which the cold stage has been wanting, and also the hot mad even when the hot stage has present the sola, but They are rough uncommon.

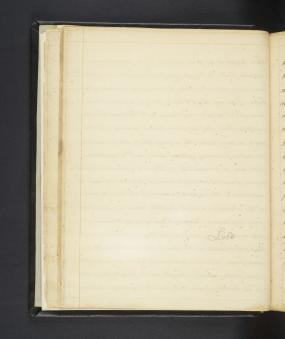
Saturation sometime breath themselve as particular party of the open a case of which was read to before a facility continue in the beginnion, as relating in the best of the symptomy were note many which all the symptomy were note many which one and, was propertionally for any was for the removal. He proper remining for in witnesself, forces

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This disease is almost criticaly confined to warm man any countries, and is caused by the effluence aring from stagnant water putrice regulate matter marshed This has uninerally been allowed to be the most common cause of intermetteuts; I believe is to be the only cause that is without march miama or the offluria aring from putrid regulater matter, Intermetting firer cannot be produced cold mousture fatigue long farting my train se I acknowledge to be auxiliarize in its productions but they are only auxiliaries, and without their main spring Miasma cannot produce the disease. Cases have been citia, by men of a different opinion, in which persons tiring in The most healthy parts of cities have been attacked by Them; allowing this to be a fast, it does not at all mile tate against my position; we know that miasmes can be wasten to a counderable distance and That is may he arman't in the reptem for a counderable longth of time, The persons attacked as related above might



have lived as no grear autones from some putrial regulable matter, or might very probably have been at some time not very song previous near a place of the times I as not think that a town is a proper place from which to draw conclusions, as to the cause of inter . . mittent fever; we all know that a quantity of fitth exists in every town; This is a dequate to the productions For in has produced yellow fiver, and if yellow fever can be producedly it, why not intermettent, which require for its production, a much milder poison det the supporter of That dottrine produce if They can, a case of this disease in a high healthy country, far romote from any march, stagnant water, or collection of putride matter Juck a case I will renture to say counst be found in the annals of medicine, unlop in some person who had contracted The poison in another place; cola moisture, night our de might Thou ast as an exciting came and call this armant matter



into action

Haring given the causes symptomy, and form of witer mittent fiver I come now to its management. This is stop naturally directed into two parts, vyz, the treatment proper during the parenymi, and that during the apyrecia or inter mission. Inst of that proper ouring the paracysmo. We generally follow The practice That nature distator, and therefore when called to a patient in the first stage of the disease, we order him to be put in a warm hea, and warm applications to be made to his feet and different parts of his body; warm druks should also be given and if he he much outsetted wine whey many he administered with advantage. Opium has been very highly recommended ed in the rola stage by D. Trother, in the ane of thing arops of the tructura opin, This I think is a very valuable remedy, but in some cares much more is required to re live the disagreater affections of the head and quies the rigors That often altende. When the hot stage comes on



The first thing to be done is to remove irrelation, for this purpose we presonly an emetic, but sometimes its me is superceded by the spoulaneous rounting That occurs; in That case we have only to oucourage it with worm drinks: having removed the source of instation our near object is to produce a disphorasis; to effect this various medi cing have teen recommended. In Europe the James pour der is prepared in this country, the autimonial preparation The Eupatonium Perfoliation or the Tyritus Minderin me generally mid. I think the last article is best adap two to this stage, it is very grateful to the stomach and can be retained on the stomach when every thing else will be rejected; it is also more cortain in its operation Than either of the other. This practice is adequate to a majority of care, but should considerable infamma long action attend we should have recourse to bloodleding The foregoing treatment has been merely palliation I come now to that by which we put a final non to

h T 1 to e 1 the parraying: This form the second part of the management of internations, may that proper seeing the internations. The first removes of which I shall been in blued tilling. It second opinion have been entertained as to the property of blooding in subscribent from some have thought it in private mentioned, and then on the contrain and all of the second or the contrain and the second or the contraint of the second or t

other on the contrary surplayed is on all occasions, one believe, as is generally the case that the touch he between them, balles to a patient with a file pulse, flowhere tend have been them to a free pulse, flowhere estay bless to a patient with a file pulse, flowhere estay been him, been my fix and protoff rounds esteemed without is, but to may be unappead and in secting your world not absent an enemy with infacting above when you have careful or when you have careful or will not also with flowed termy or the cone of whech we are treating, other nomicely into often our is, made undered, is will often our is, made undered, is will often our is, made undered, is will often our if, made undered, in will often our if, made undered, in will often our if, made undered, in will often a producered publisher, but this is

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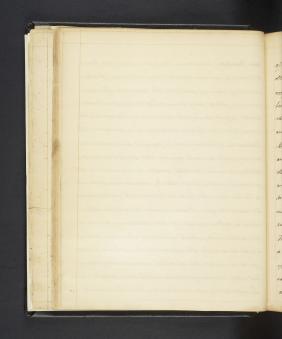
not a sufficient reason for laying arion those romeous by which a cure can speedily be obtained. Bloodletting however will not of trely effect a cure, has is will more rate the violence of the parraying very much, the cold stage will be shorter, the hot not so distinging, and the areat not so copious and consequently not so actiliating besides those advantage it pares the way for other re medies, which would before have been injurious. as much pleased as I am with the succep of bloodeding in in Committent fever in particular cases, yet there are many in which is is wholly inadmipitle; should the system be much aetilitation, and the putre weak, no one would for a moment think of atteracting blood: nor would I upon every slight attack of intermet tent fever, have recourse to veneration; very many cones, may very readily be cured without is, and where that is the case I would by no means bleed. The ness clap of romedies of which I chase treat

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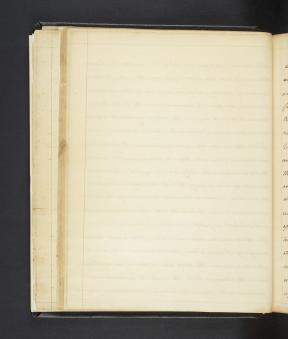
are Emetics. Here as in Alsoaletting there has been a difference of apinion, some preferring cartharties, These are in mony cares a dequate to the cure , lus there are some in which they are not . Emelies at first new would appear to be contraindicated in this disease, he cause often at the commencement of a paronym, the patient is affected with a painful and continued rounding, and is would appear that all offenine matter contained in the stomach, would be tracuated by the powers of nature alone, this by experience we fine not to be the case, the fever continuing with great ristence; me must therefore have secourse to emetion. The liver is often much offected, containing a quantity of visitation bile, which of itself is competent to keep up the disease; for the removal of this nothing is so pro per as an emitie, one of which will generall, answer, but cases sometimes occur in which more may be required. To efficaciony are emetios here, that the anemo is



often elected by a single one full if the assimpte one he not strands, they were like the observation prepare the system for the reception of vineries, which promoned, would not only have been unless for somewall, sincommutageous. The Testar Breetic streets he propriet easys in the case of very wheat aromen and chilany whose freeze aromen and chilany where freeze and whench he were.

Batharter are also very unful medicine in the decan lineing are sometimes from some cause or other inacimple here ca- thation are independed. They are also requires where emetic are were, as is is neighbory that the abundang canal should be exacuated previous to the west of time madicing. The cathasia of exacuation previous to the west of time madicing. The cathasia most consensing ruck is calonicle with above or in combination with the last or false.

The above someour alone will often offer a core but in a majority of ease, a town plan of treatment is required to effect that purpose. The town move in general we in the diseases it the Cornian Back. This wealnots medicine some account is the Cornian board. This wealnots medicine some other account in the province of Sine in South Survivian observed.



sestulien humana and thirty orght, by accident, an Indian was said to have been cured of an intermedient fire, by driving water from a ponce into which a portion of the back have fallen. It was soon after administered to the country of Enchona bady to the Tpauch viewy, with such decides succep That its fame soon spread both in America and Eurone; from this lady it donned the name of circhonas; and that of justito back from the circumstance of my of That order having first introduced it into Europe: it very soon spread nearly over that continent, and is I believe at the present day, wherever known, almost exclusively used in The cure of this disease. There is a great difference of opinion, among the writer on this subject as to the proper Time of giving the back some directing, it during the parrouna other during the intermepion; some commencing the use of it immediately the patient is attacked other waiting until several parrogeny have intermed. In the intermettents occur ing in the United Mater, the intermipion is undoubledly the



proper time for giving 10 medicine. It should be given in substance in a cachen every hour unite within a short time of an expedice attack when it should be discontinued, for if given at that time or during the parrayone is invariable, aggravaly way symptom. To the question whether or not the back thousand be given immediately upon an attack of intermedient from I would answer, is should be given as soon as the propos on cuating have been premised and not before. It is the practice in the West Indies of giving an owner labor a done every mor ring and no more during the day, could this be retained it would perhaps be a good practice, but I believe four stomache will be formed that can bear as much. The stomach is often in such are ionitable state, that the bark in substance caused be bone in The smallest does, here we should substitute the infusion or accordion, and if the too should be rejected in must resort to injections; This method however will not be submitted to for a sufficient length of time, to effect any great a advantage in adults; it is

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Therefore only applicable to the cases of children; and how The rectum often gets in so intakle a state, as about to present the introduction of the pipe; a small quantity of landamen in each injection will obrate in a great degree This defeat. It has also been recommended to apply is en timally; either by sprinkling it over the sheets, by fathing in fir in a strong decoction, or by quelling a quantity of it in a flannel jacker to be worn by the patient next the whin; this last mode I believe is preforable; it is however apple cable only to very delicate constitutions and to children, and happily Those are the only cases in which it is ever necessary to employ is in this form. The hard sometimes produces continues, here a little whilast should be continued wish is, but if on the other hand is should have a contrary effect, a male quantity of land anum may to used in conjunction with is. A number of medicines have been proposed as substitutes for

the Comian But in the own of intermettent fore I shall

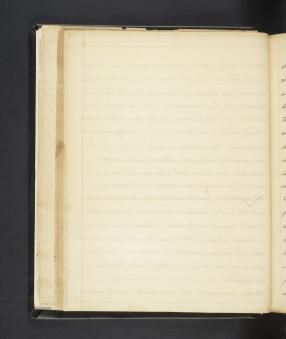
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mention a few of the most officacions: I commores work thou of our own country; of which one of the best is the Sopoularian Wirginiana; this has been very highly recommended; when given alone is sometimes produced very loneficial effects, but it is a much more valuable remedy when combined with the bark. The Eupatonum Derfoliatum has been highly spolar of by I. Hosack who used it exclusively in this disease and with great succep. It Barton was much pleased with the powers of the Oranes Nirginiana; many other practionen chano uned in anian with indexite advantage in The directer arow Tulipefora or common popfar was a favourite remea, of Dr Rushs, he prefered is to all other, the fast only excepted; D. Bartow also used is with mecep, and I have lately from informed by a very respectable practioner of Virginia, that he used is work nearly the same success as the back well, he med the fash of the root in rather larger down than the cinchona and in the same form. Many more of our native medicines have seen used but I shall only mention one

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other, the Corun Florida or common dogwood, This I think should hold the first rank among the indegenous articles of our country, in the core of intermedian fore, The bark of the root is the part employed; it is given in Author larger doses than the Pormian Bark. In the lower parts of Nieginia, when this disease is perhaps as frequent as in any past of the mixed states, this medicine is much employed by the poorer clapes of rocioy and with very great success gum hino may be used with advantage in cases of inter mittent fever accompanies with lower affections. The augustura was introduced as a remon for inter multient fever a considerate time past, it was at first Thought superior to the Bart; is however room lost its oredit; but within a short time past has again come into notice; It is more grateful to the stomach, una there fore may rounting be employed where the bank is madnipite. Carbon has recoulty been recommended in This disease



is was first med by D. Kalkans a socialian physician he communication his success to S. Colfort then on Leicity who also were is with much advantage, many practionens have since used and I believe have generally templiciae. The Blue vitriol has been very highly recommended in the direase of which we are treating; it is her adapted to carry of long standing. The Tulphates of Foron and Zino have also been used; they are proper in the same cases as the medicine last mentionen. Many other artistes from the mineral lingdom might be inumerated, but I shall only mention one other, americ of this medicine in the cure of intermittens five, not a little has been said. From the facility with which is may be administered is is peculiarly a applied to The cases of children; is may also be used with much benefit in the suternuttents of adults combined with the bard. Sometimey all these remedin fail and the disease continues for a great length of time, stood letting has here here were with the most evident advantage; often by alteracting ten or

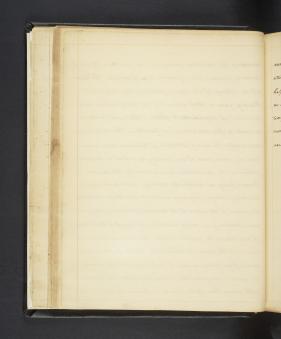
7 k a Unclose surces of blook and applying a blook case has been to cover that had boffled our atunet macanone. But sometime the discuss is high up by congular of the merro, tre much have resert to mercany.

The Boad should be continued for some time after the pa rouping have here stopped, and the patient should be careful net to sopped here there to cold or camps he should bege the feet any and craim one if much debitation, should seem flaund, as the system after an other incomit time fore, is perfectly for a september of the viscous.

Having grew the general treatment perper during the internipeon, I shall now mention that to the pursues at the time of an expection parcogning for wording a off. The patient observes he put in a view her and some view as a song ratualle se many feet, or fifty drops should be taken in a quantity of tea or eoffer, as man as is can be borne; this view of tea or eoffer, as man as is can be borne; this view of ten key off an allack violent carroin insurediately

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preceding the expected parrayon has sometimes stapped is Terror or a noteur for of papion has produced the same effect change of situation is sometimen very temperial. Having given a short account of the cause nature, and treatment of intersmittent forer, I shall now proceed to make a few remarks on its provaction. This is a suggest well worthy the rinoug attention of medical men, since There are some parts of our country, in which a large pro portion of the inhabitants have annually this direcare. Dersons living in missmatic countries, should avoid night air long factory, fatigueing exorcie or any thing prouspoing the system to the action of the Miasma; particularly getting week, and remaining in damp clother for any length of time. Hour of tree should be planted between the hours of the inhale tauts and the source of exhalation. Much horefis may be derived from taling a doze of Bark trong morning, during the summer and fall: this I have frequently seen attended with succep. The clother should be changed agreate, to the



varieties of temperature; is a very executal that the aboute de attended to, as the changes of vesther are eften as great that half help the person in a family are attacles with an agust in a thort time of casherther. The may frequently be presented to the presentation I have mentioned, and I believe were it mere quently acquire, cases of intermittent from somether to were a compared to what they are at present.

